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10/020,158	12/18/2001	Kaori Ogura	016907/1340	6602

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EXAMINER

PATTERSON, RASHAN OMAR

ART UNIT PAPER NUMBER

2625

DATE MAILED: 03/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/020,158	OGURA, KAORI	
	Examiner	Art Unit	
	Rashan O. Patterson	2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claim have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 2, 4, 8, 9, 11, 15, 16, 18, are rejected under 35 U.S.C. 103(a) as being unpatentable over Iga (US 2002/0143924 A1) in view of Kobayashi et al. (US 6101576).

Regarding claim 1, Iga discloses a data updating method for updating data stored in memory of an image forming apparatus (Fig. 2), comprising:
downloading updating data from a device (14) on a network (18) based on contents of the electronic mail when the image forming apparatus receives the electronic mail that calls for updating of the data stored in the first memory from and external device (**Page 1 par. 0009; Page 5-6 par. 0050**); executing updating processing for the data stored in the first memory, based on the downloaded updating data (**Fig. 13; Page 1 par. 0009; Page 5-6 par 0050**).

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Iga does not disclose saving data, which has been stored in the first memory in a second memory; rewriting the data saved in the second memory, which is the unupdated data stored in the first memory into the first memory when an error occurs in data updating processing.

Kobayashi et al. discloses saving data, which has been stored in the first memory in a second memory (**Col. 5 lines 19-27**); rewriting the data saved in the second memory, which is the unupdated data stored in the first memory into the first memory when an error occurs in data updating processing (**Col.1 lines 29-32; Col. 3 lines 10-15**).

Iga and Kobayashi et al. are combinable because they both incorporate image processing

It would have been obvious at the time of invention for one of ordinary skill in the art to combine Iga with Kobayashi et al.

The reason for doing so would have been have data saved in a second memory in case an error occurs causing the data to vanish in the first memory as taught by Kobayashi et al. in Cole 1 lines6-10.

Therefore it would have been obvious to combine Iga with Kobayashi et al. in order to obtain the invention specified in claim 1.

Regarding claims 2, 9, and 16 Iga, discloses the data updating method for the image forming apparatus (Fig. 2), wherein the electronics mail sent from the external device (14) includes information indicating data to be updated, and information indicating which device on the network holds the updating data (**Page 4 par. 041; Page 5-6 par. 0050**).

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Regarding claims 4, 11, and 18 lga, discloses the data updating method for the image forming apparatus (Fig.. 2) further comprising: causing the image forming apparatus to notify the external device of a result of the data updating process (**Page 5-6 par. 0050-Page 6 par. 0050**).

Regarding claim 8 lga, discloses the image forming apparatus (Fig.. 2) comprising a first memory in which data is stored beforehand (**Page 6. Par. 0054**); a network interface (18) which receives from an external device electronic mail calling for updating of the data stored in the first memory and through which updating data is downloaded from a device on a network based on contents of the electronic mail (**Fig.. 13; Page 5-6 par. 0050**); a data updating section (22) which executes updating processing for the data stored in the memory based on the updating data downloads by the network interface (18) (**Page 3 par. 0038; Page 5-6 par. 0050**).

lga does not disclose a second memory which temporarily stored data; a processing section which rewrites the data saved in the second memory, which is the unupdated data stored in the first memory into the first memory when an error occurs in data updating processing executed by the data updating section.

Kobayashi et al. discloses a first memory in which data is stored beforehand (**Col. 5 lines 19-27**); a second memory which temporarily stores data (**Col. 5 lines 19-27**); a processing section which rewrites the data saved in the second memory, which is the unupdated data stored in the first memory into the first memory when an error occurs in data updating processing executed by the data updating section (**Col.1 lines 29-32; Col. 3 lines 10-15**).

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Iga and Kobayashi et al. are combinable because they both incorporate image processing.

It would have been obvious at the time of invention for one of ordinary skill in the art to combine Iga with Kobayashi et al.

The reason for doing so would have been have data saved in a second memory in case an error occurs causing the data to vanish in the first memory as taught by Kobayashi et al. in Cole 1 lines 6-10.

Therefore it would have been obvious to combine Iga with Kobayashi et al. in order to obtain the invention specified in claim 8.

Regarding claim 15 Iga, discloses an image forming system comprising : an image forming apparatus (Fig. 2) which stores data in a memory thereof before hand; and an external device (14) capable of exchanging electronic mail with the image forming apparatus, said external device (14) including a modem which sends electronic mail to the image forming apparatus to call for updating of the data stored in the memory of the image forming apparatus (Fig.. 12) (**Page 5-6 par. 0050**), and said image forming apparatus (Fig.. 2) includes: a network interface (18) through which updating data is downloaded from a device (14) on a network based on contents of the electronic mail in response to the reception of that an electronic mail (**Page 5-6 par. 0050**); a data updating section (22) which executes updating processing from the data stored in the first memory based on the updating data downloaded by the network interface (**Page 3 par. 0038, Page 5-6 par. 0050**).

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Iga does not disclose a second memory which temporarily stores data; a processing section which rewrites the data saved in the second memory, which is the unupdated data stored in the first memory into the first memory when an error occurs in data updating processing executed by the data updating section

Kobayashi et al. a second memory which temporarily stores data (**Col. 5 lines 19-27**); a processing section which rewrites the data saved in the second memory, which is the unupdated data stored in the first memory into the first memory when an error occurs in data updating processing executed by the data updating section (**Col.1 lines 29-32; Col. 3 lines 10-15**).

Iga and Kobayashi et al. are combinable because they both incorporate image processing

It would have been obvious at the time of invention for one of ordinary skill in the art to combine Iga with Kobayashi et al.

The reason for doing so would have been have data saved in a second memory in case an error occurs causing the data to vanish in the first memory as taught by Kobayashi et al. in Cole 1 lines 6-10.

Therefore it would have been obvious to combine Iga with Kobayashi et al. in order to obtain the invention specified in claim 15.

4. Claims 3, 10, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iga (US 2002/0143924 A1) in view of Kobayashi et al. (US 6101576) further in view of Yoshida et al. (US 6130757).

Regarding claims 3, 10, and 17 Iga, as modified by Kobayashi et al. does

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not disclose the data updating methods for the image forming apparatus , wherein said executing updating processing includes: writing the updating data once again if the writing of the updating data in the memory fails and a number of times of failure is within a predetermined number; and determining that an error occurs in data updating processing if the number of times of failure reaches said predetermined number.

Yoshida et al., discloses the data updating methods for the image forming apparatus (5), wherein said executing updating processing includes: writing the updating data once again if the writing of the updating data in the memory fails and a number of times of failure is within a predetermined number; and determining that an error occurs in data updating processing if the number of times of failure reaches said predetermined number (**Fig.. 27; Col 19 line 54 – Col 20 line 5**).

Iga, as modified by Kobayashi et al, and Yoshida et al. are combinable because they both incorporate using an image forming apparatus.

It would have been obvious at the time of the inventions for on skilled in the art to combine Iga, as modified by Kobayashi et al, with Yoshida et al.

The motivation for doing so would be to have the data updating methods for the image forming apparatus (5), wherein said executing updating processing includes: writing the updating data once again if the writing of the updating data in the memory fails and a number of times of failure is within a predetermined number; and determining that an error occurs in data updating processing if the

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number of times of failure reaches said predetermined number as taught by Yoshida et al in Fig. 27 and in Col 19 line 54 – Col 20 line 5.

Therefore it would have been obvious to combine Yoshida et al. with Iga, as modified by Kobayashi et al, to get the invention discloses in claims 3, 10, and 17.

5. Claims 5, 6, 7, 12, 13, 14, 19, 20, and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iga (US 2002/0143924 A1) in view of Kobayashi et al. (US 6101576) further in view of Foster (US 6675382 B1).

Regarding claims 5, 12, 19, and 21 Iga, as modified by Kobayashi et al., does not disclose the data updating methods for the image forming apparatus further comprising: a determination section which determines whether or not data updating is necessary based on the contents of the electronic mail when the image forming apparatus had received the electronic mail from the external device, wherein the updating data is downloaded from the device on the network bases on the contents of the electronic mail when the data updating is determined to be necessary by the determination section.

Foster, discloses the data updating methods for the image forming apparatus further comprising: a determination section which determines whether or not data updating is necessary based on the contents of the electronic mail when the image forming apparatus had received the electronic mail from the external device; wherein the updating data is downloaded from the device on the network bases on the contents of the electronic mail when the data updating is

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determined to be necessary by the determination section(**Fig. 6; Col lines 18-47**).

Iga, as modified by Kobayashi et al., and Foster are combinable because the both disclose and apparatus containing software.

It would have been obvious at the time of the invention for one skilled in the art to combine Iga, as modified by Kobayashi et al., with Foster.

The motivation for doing would be to have the data updating methods for the image forming apparatus further comprising: determining whether or not data updating is necessary based on the contents of the electronic mail when the image forming apparatus had received the electronic mail from the external device, and where in the updating data is downloaded from the device on the network bases on the contents of the electronic mail when the data updating is determined to be necessary as taught by Foster in Fig. 6 and Col lines 18-47.

Therefore it would have been obvious to combine Iga, as modified by Kobayashi et al., with Foster to get the inventions disclosed in claims 5,12, and 19.

Regarding claims 6, 13, and 20 Iga, as modified by Kobayashi et al., discloses the data updating method for the image forming apparatus wherein the electronic mail sent from the external devise includes version information on data to be updated (**Page 5-6 par. 0050**).

Iga, as modified by Kobayashi et al., does not disclose the data updating method for the image forming apparatus wherein said determining whether or not the data updating is necessary includes comparing the version information

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included in the electronic mail with version information on the data stored in the first memory, and determining whether or not updating is required with respect to the data stored in the first memory.

Foster, discloses the data updating method for the image forming apparatus wherein said determining whether or not the data updating is necessary includes comparing the version information included in the electronic mail with version information on the data stored in the first memory, and determining whether or not updating is required with respect to the data stored in the first memory (**Fig. 6; Col lines 18-47**).

Iga, as modified by Kobayashi et al., and Foster are combinable because the both disclose an apparatus containing software.

It would have been obvious at the time of the invention for one skilled in the art to combine Iga, as modified by Kobayashi et al., with Foster.

The motivation for doing so would be to have the data updating method for the image forming apparatus wherein said determining whether or not the data updating is necessary includes comparing the version information included in the electronic mail with version information on the data stored in the memory, and determining whether or not updating is required with respect to the data stored in the memory as taught by Foster in Fig. 6 and Col lines 18-47.

Therefore Iga, as modified by Kobayashi et al., and Foster it would have been obvious to combine Iga with Foster to get the invention disclosed in claims 6, 13, and 20.

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Regarding claim 7 Iga, as modified by Kobayashi et al., does not disclose the data updating method for the image forming apparatus further comprising: causing the image forming apparatus to notify the external device that data updating based on the electronic mail is unnecessary, when the data updating is determined to be unnecessary.

Foster, discloses the data updating method for the image forming apparatus further comprising: causing the image forming apparatus to notify the external device that data updating based on the electronic mail is unnecessary, when the data updating is determined to be unnecessary.

(Fig. 6; Col lines 18-47).

Iga, as modified by Kobayashi et al., and Foster are combinable because the both disclose an apparatus containing software.

It would have been obvious at the time of the invention for one skilled in the art to combine Iga, as modified by Kobayashi et al., with Foster.

The motivation for doing so would be to have the data updating method for the image forming apparatus further comprising: causing the image forming apparatus to notify the external device that data updating based on the electronic mail is unnecessary, when the data updating is determined to be unnecessary as taught by Foster in Fig. 6 and Col lines 18-47.

Therefore Iga, as modified by Kobayashi et al., and Foster it would have been obvious to combine Iga with Foster to get the invention disclosed in 7.

Regarding claim 14 Iga, as modified by Kobayashi et al., does not disclose the data updating method for the image forming apparatus further comprising: a

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notification section which causes the network interface to notify the external device that data updating based on the electronic mail is unnecessary, when the data updating is determined to be unnecessary.

Foster, discloses the data updating method for the image forming apparatus further comprising: a notification section which causes the network interface to notify the external device that data updating based on the electronic mail is unnecessary, when the data updating is determined to be unnecessary (Fig. 6; Col lines 18-47).

Iga, as modified by Kobayashi et al., and Foster are combinable because the both disclose an apparatus containing software.

It would have been obvious at the time of the invention for one skilled in the art to combine Iga, as modified by Kobayashi et al., with Foster.

The motivation for doing so would be to have the data updating method for the image forming apparatus further comprising: causing the image forming apparatus to notify the external device that data updating based on the electronic mail is unnecessary, when the data updating is determined to be unnecessary as taught by Foster in Fig. 6 and Col lines 18-47.

Therefore Iga, as modified by Kobayashi et al., and Foster it would have been obvious to combine Iga with Foster to get the invention disclosed in 14.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rashan O. Patterson


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whose telephone number is 571-272-0597. The examiner can normally be reached on Mon - Fri 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler Lamb can be reached on (571)272-7406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ROP



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~~PRIMARY EXAMINER~~
Supervisory Patent